



Inside This Issue:	
ARRL Petitions FCC	Page 5
Dits and Bits	Page 4
Elmer's Etiquette	page 5
Meeting Minutes	Page 3
Members Present Petitions	Page 3
Message From The President	Page 5
Public Service Recognition	Page 5
Upcoming Swapfest Notes	Page 7

October 1996



FIRST CLASS MAIL

Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935



Ø BEAT



Pikes Peak Radio Amateur Association Officers and Directors

President—	Rob Roller	WB7WHT	4846 Herndon Cr	Colorado Spgs	80920	282-0204
Vice-President—	Les Borst	KCØNC	2542 E Bijou St	Colorado Spgs	80909	634-3995
Secretary—	Warren Hickey	WØYNE	12895 Tia Ln	Colorado Spgs	80908	495-0471
Treasurer—	Mary Salus	KBØSHP	11710 Tracy Ln	Peyton	80831	749-0244
Ø-Beat Editor—	Jeff Boyes	NØJLH	2626 East Bijou St	Colorado Spgs	80909	577-6029
* Board Member—	Ron Deutsch	NKØP	4305 Ridgeland Dr	Colorado Spgs	80918	593-8352
* Board Member—	Jeff Ryan	NØWPA	6721 Northface Ln	Colorado Spgs	80919	260-6826
* Board Member—	Gloria Ryan	NØZFX	6721 Northface Ln	Colorado Spgs	80919	260-6826
* Board Member—	Harry Russell	NØSFP	11710 Tracy Ln	Peyton	80831	749-0244

* This Officer/Director is completing the last year of their second-year term.

The Ø-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: <http://rainbow.rmii.com/~mugele/ppraa/>

Deadline for submission of articles or advertisements is the 20th of each month. Submissions are accepted in any form. Articles should be sent directly to the Ø-Beat Editor (email to jboyes@kktv.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College
225 South Union
Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.05 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Ø-Beat Editor	Jeff Boyes	NØJLH	577-6029
Activity			
Auditing			
Historian	Harvey Hunter	WA3EIB	597-8964
Interference	Bill Petty	NØNIX	591-2116
Membership	Les Borst	KCØNC	634-3995
Programs	Les Borst	KCØNC	634-3995
Publicity	Aaron Pelouze	KD6FLM	282-9715
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '96	Carlos Carr		
Technical Instruction	Al Bailey	ADØZ	597-8514
	Linda Hedger	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison			
RACES Liaison	Larry Dunn	N9HSW	481-0369

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Disabled American Veterans Hall, 6880 Palmer Park Blvd. The meeting will start at 7 PM.

Zero Beat

PPRAA General Membership Meeting Minutes September 12, 1996

The general membership meeting was opened at 1900 hrs by the president Rob Roller WB7WHT upon determining a quorum of the membership was present. Members and guests introduced themselves. The Treasurer's report was given by Mary, KBØSHP. The minutes of the last General Membership meeting as published in *Ø-Beat* were approved.

There were no committee reports. There was no old business.

New Business:

Doug Moloney, WBØMHP, asked the members to sign a petition to amend the Association Bylaws if they agreed with the recommendations. The petition will be presented to the Board of Directors at the next board meeting.

George, WBØDUM, who is working with the Victor Hill Climb needs one more volunteer to work on Saturday.

Hammy Award. Doug, WBØMHP, presented the Hammy to Ron, NKØP, who is a long-standing member and who has worked hard for the PPRAA. Congratulations, Ron.

Being no further business, the meeting was adjourned at 7:26 PM.

Respectfully submitted by Warren, WØYNE, Secretary

[Note: The Minutes from the Board of Directors Meeting were not available at press time. Ed.]

Members Present Signed Petitions to Board of Directors To Request Bylaw Changes

Board of Directors

Pikes Peak Radio Amateur
Association
P.O. Box 16521
Colorado Springs, CO 80935

Board,

We, the undersigned members in good standing of the Pikes Peak Radio Amateur Association do hereby petition the Board of Directors to present the following proposed change to the By-laws to the membership for approval as provided in Article X, Section 1 of the current By-laws.

Proposed change:

ARTICLE VI COMMITTEES:

Add "Section 12. Asset
Committee.

The board of Directors shall appoint an asset custodian, who shall be the Asset Committee Chair, and who is responsible for, but not limited to, accounting for, warehousing of, issuing of, returning of all tangible assets of the association. The Asset Committee and the custodian shall prepare for and coordinate an annual physical inventory to be performed within 45 days following each annual meeting at which the general election is held. Not less than two outgoing and two

incoming officers shall be signatory witnesses of the physical inventory. The Asset Committee shall report any losses or non-functional conditions of any asset immediately to the directors, who shall evaluate the circumstances of such loss, and be empowered to take appropriate action."

Board,

We, the undersigned members in good standing of the Pikes Peak Radio Amateur Association do hereby petition the Board of Directors to present the following proposed change to the By-laws to the membership for approval as provided in Article X, Section 1 of the current By-laws.

Proposed change:

ARTICLE IV OFFICERS:

Section 1. Number, eligibility and term of office.

The principal officers of the association shall be a President, a Vice-president, a Secretary and a Treasurer. "All such officers shall become a member of the board provided they are not currently a member of the board. To be eligible to be nominated as a candidate for an officer, the candidate shall be a full member in good standing and not a family member of a current officer or board member or candidate already nominated." Once elected, officers shall continue to be members of the Board of Directors, concurrent

Pikes Peak Radio Amateur Association

with their position as an officer.

Officers shall serve for a period of one year. Officer's term as a board member shall be unaffected by their service as an officer.

Board,

We, the undersigned members in good standing of the Pikes Peak Radio Amateur Association do hereby petition the Board of Directors to present the following proposed change to the By-laws to the membership for approval as provided in Article X, Section 1 of the current By-laws.

Proposed change:

ARTICLE III

Section 3. Removal from Office

Any director of the association who misses two board meetings in succession without notifying the President or vice-president at least 24 hours prior to the meeting will be considered to have resigned their position. However, a director who cannot attend a board meeting and has notified the President or vice-president to that effect and has, in addition, appointed a member in good standing to act for them in which case the director will not be considered to have resigned even if they miss a number of concurrent meetings. "A member in good standing for the purpose of this section is a full member not currently a director in their own right."



Dits and Bits

For Sale:

Compuadd 486SLC-25 computer, with 85 Meg hard drive, 2 high density floppies, 2 meg RAM, 14" VGA color monitor, keyboard, mouse, Epson LQ860 color printer (24pin) with extra ribbons and paper. \$350.00

Desktop keyboard holder used one week \$20.00

Ham M rotator and control box with cable \$70.00

Hygain v-4s 420-450 vertical \$35.00

Cushcraft 220 Ringo Ranger ARX220B Vertical \$25.00

Butternut HF-6v 10-80 HF vertical \$50.00

Cushcraft 424B Beam Antenna 424 to 435mhz \$60.00

Cushcraft VHF TWIST A144-20T 1vert 1horz ant \$35.00

Star NX1001 computer printer & cables \$50.00

Sears SR2000 computer printer & cables \$50.00

I have manuals for all items.

Call Al NØCMW, 520-5650

For Sale:

Ham M Rotor, Kenwood TS-520 transceiver, Kenwood VFO-520 external VFO, Astatic microphone, Heath Keyer, Audio filter, Palomar wattmeter. \$350 or best offer.
Farley Cooper, 390-0187

For Sale:

Heath SB1000 HF linear amp. w/ QSK option. Very low hours, like new condition. \$850.00

Icom 471A 430-450 all mode transceiver. \$600.00

TE Systems high power UHF amp 25 watts in for about 170 out. Very rugged construction. Needs 13.8 volts at about 32 amps. \$300.00

Sola Dielectric wattmeter with 50 watt UHF slug. (similar to Bird 43) \$100.00

KLM 30 LBA 432 MHz antenna. Tuned for SSB portion of band. \$75.00

Ron, NKØP 593-8352

For Sale:

Magazines. 1979-1989 QST, CQ, and 73. Full Sets. Negotiable price. Jeff Smith, 687-6746.

For Sale:

Azden PC-5000 2M mobile w/tone, 5-25 watt, \$175. With manual.

Kenwood TM-2570A 2M mobile w/tone, \$200. With manual.

Drake TR-72 2M Crystaled for 2M and packet. 10 watts. \$65.

George, WBØDUM. 495-3983

El Paso County HF Roundtable

Sunday evenings just after the El Paso County RACES 7:30 PM (local) HF net, on 28.385 mHz.

Everyone is invited to check in.

**Elmer's Etiquette –
How's your EQ?
September 1996**

I just couldn't help notice that etiquette on the ham bands is deteriorating. So, in thinking about the spirit of Amateur Radio and the process of Elmering, this Elmer decided to start a column about amateur radio etiquette.

I would like to test your EQ (etiquette quotient) by describing real-life situations heard on the bands and ask multiple choice type questions. will try to share one question a month.

Keep in mind the elmering process is to help but not openly criticize. Even though these are real-life happenings, I won't mention names. The spirit is to educate, not devastate.

If you would like to share a circumstance, please send it to Elmer's Etiquette in care of the *0-Beat* editor, who will see to it I receive it.

So, here is this month's question.

Q. You hear someone new on 2 meters making an autopatch call and the new ham doesn't quite ID correctly. After the autopatch call, the new ham gets a call from a friend and they have a short QSO. At the completion of the QSO etiquette dictates that you:

1. Call the new ham's friend on the repeater and make a big deal about

the new ham making this minor mistake.

2. Just ignore it since the ham that called the new ham didn't mention it.

3. Wait until you have an eyeball QSO or a phone call to help the new ham understand the correct method of IDing.

4. None of the above.

My answer would be number 3, what's yours? Until Next Month...

73, Elmer

**Message from the President
Rob Roller, WB7WHT**

If you haven't been getting any e-mail from the PPRAA, it's because we don't have your e-mail address. To get e-mail occasional e-mail from the PPRAA send your e-mail address to rollerr@usa.net and we'll add you to the list. The PPRAA is using e-mail to send out short-notice items and as ways to augment information given in the *0-Beat* and club meetings. It's also a great way to communicate with your board members and other club members.

**Letter to the Editor
Patrick Cook, KBØOXD**

This is to announce something that has been going on somewhat regularly on the Colorado Connection following the formal portion of the Central Colorado

Traffic Net each Monday through Wednesday for some time now. George Howard, WØQOB (ex-NØULG), CCTN Net Manager, is the instructor of these NTS traffic handling classes, which is geared towards teaching individuals HOW to fill out a RadioGram.

Each night is devoted to the various parts of the RadioGram form. Right now, the schedule is as follows:

Mondays: The Preamble (i.e. the part at the top of the RadioGram).

Tuesdays: How to address the RadioGram. (what to put in the address, and what NOT to put in the address)

Wednesdays: The actual message text and signatures.

There'll also be discussions regarding WHO can receive NTS traffic, as well as dealing with MARS traffic (though this won't be discussed at great length because we aren't a MARS net).

The message text classes will go into such things as ARL codes, and other codes that are acceptable to use in the actual message.

I'd encourage EVERY ham to check in (if you can receive the Connection), or at least LISTEN to the classes so that YOU already know how to handle NTS traffic when it counts the most during emergency situations.

Normal AX.25 packet is UNRELIABLE for NTS purposes (and CCTN doesn't even bother with using it when handling traffic due to this). This was discovered MANY times by trial and error from Dan Hupp, NØTZL, during his tenure as both Net Manager AND traffic handler.

Pikes Peak Radio Amateur Association

I run CCTN on Sunday Nights, and now that CCTN is under more stable management, there's usually a session EVERY night now (though I may be incorrect about this). But Mondays through Wednesdays are all run by other NCS'.

I'd also encourage ALL hams to participate, and offer whatever NTS net liaison services you can (WE NEED MANY MORE LIAISONS!!), as well as copying traffic and following net protocol as much as possible.)

Also, feel free to invite your friends to check in and participate as much as possible as well!!!)

I look forward to hearing you each and every Sunday Night!!

Patrick Cook, KB0OXD
Central Colorado Traffic Net NCS
Denver, Colorado

Hams Recognized For Public Service Work Rob Roller, WB7WHT

Although many amateurs put in countless hours for public service work, not many times do we get publicly recognized. There have been several newspaper articles in the past few months mentioning amateur radio, mostly related to weather events or Hollywood. But it was nice to hear amateur radio mentioned to a large crowd of runners and other volunteers at the September 18th awards banquet for the Pikes Peak Marathon. Carl McDaniel, Race Director for the Pikes Peak Marathon, which coordinates the Pikes Peak Marathon, the Pikes Peak Ascent,

and several other runs comprising the Triple Crown of Running events, presented a very nice award to Bob Antion, Luci Stansberry and myself, on behalf of all the amateurs that participated in these events.

Bob, WL7RV, was specifically identified as the primary coordinator for the amateurs for the two Pikes Peak events, and Luci, N00UD, was recognized for her coordination of the amateur communications for the other events.

The award is made of a flat decorative red brick with a inscription burned into the top of the brick with words of appreciation and Carl McDaniels' name. Also on the top of the brick is a steel arch and a runner mounted in the top of the brick. Bob will hopefully be bringing the award to the next club meeting for all to see, and where we can photograph the award and put the picture on the web page and in the *Q-Beat*.

Editor's Notes Jeff Boyes, N0JLH

Does it seem like there was no summer this year? It sure seems that way to me. Before I knew it, another *Q-Beat* deadline was here. This month, a special thanks goes out to Ron, NK0P, who volunteered to be responsible for picking up the *Q-Beat* from the printer, stapling, labeling, stamping, and, finally, mailing over 225 copies. THANKS, Ron. I appreciate it. Until next month...

ARRL Petitions FCC To Change New RF Safety Rules (From the ARRL Letter)

The ARRL has petitioned the FCC to reconsider portions of the Commission's Aug 1, 1996, Report and Order that imposed RF-emission safety standards on Amateur Radio, including a 50-W threshold to trigger an RF-safety evaluation. In setting the 50-W threshold, the ARRL said, the FCC failed to consider the effect of antenna height, antenna gain, emission mode, duty cycle or operating frequency. The League asked the FCC either to scale the evaluation threshold by frequency to match the maximum permissible exposure (MPE) limits—directly corresponding to the way the regulations scale the exposure levels with frequency—or to set the evaluation threshold for all HF operation at 150 W at a distance of 10 meters from all parts of the antenna.

At or below that power level and at that distance from the radiator, "you'd be well on the side of safe, even at 100% duty cycle, with any antenna likely to be encountered on HF," said ARRL Laboratory Supervisor Ed Hare, KA1CV, our HQ staff liaison to the ARRL RF Safety Committee. "Some VHF/UHF and microwave station configurations could result in an RF exposure exceeding the requirements of the regulations, so the 50-W limit to trigger an evaluation is more appropriate above 30 MHz," said Hare. Hare also emphasized that all stations, regardless of output

Zero Beat

power or frequency, still must abide by the specified MPE limits for RF. "Even my 10-mW HF station has to be in compliance with the MPE limits. At that power level, even under the existing rules, I don't have to evaluate whether it is compliance, however, it is presumed that stations running less than 50 W PEP are in compliance." The new rules, effective January 1, 1997, require licensees of amateur stations running 50 W output or more on any band to conduct a routine RF-safety evaluation to determine if the station could expose people to RF levels that exceed the MPE limits specified in the new rules. (Mobile installations using push-to-talk, regardless of power, are exempt from the environmental evaluation requirement.) In its reconsideration filing, the League called the 50-W threshold "regulatory overkill" and "without scientific basis." Among other things, the League said the means to conduct RF radiation evaluations are not yet available, and the ability to reconfigure a station that might exceed the new limits "is highly problematic." Coupled with any state and local land-use and RF-exposure regulations that might exist, application of the new rules "may constitute a de facto revocation or modification of the station license," the League said.

"If amateurs cannot operate using outdoor antennas due to deed restrictions, and they cannot use indoor antennas due to concern about exceeding the MPE levels, all amateur communications are precluded."

In addition, the ARRL contends that rules imposed in the Commission's Report and Order "were adopted through flawed procedures." The League said the FCC adopted the rules without advance notice and opportunity for prior comment by those who would be most affected. "Neither the League, nor radio amateurs generally, had any opportunity to comment on, or suggest alternatives to, the rules adopted by the Commission," the ARRL petition said.

The ARRL said that the new rules differentiate between ham stations and other Commission licensees, "which are treated far less restrictively." While the FCC preempted state and local government regulation of personal wireless service facilities based on environmental effects of RF emissions, it refused to do the same for ham radio "without any basis for the distinction."

The League's petition also said the rules in the Report and Order "contain substantive obligations" that affect both individual hams and the preparation of ham radio examinations. The ARRL already has asked the FCC to extend the deadline to change amateur examinations and modify question pools, but the Commission has yet to act on the request. "The Commission failed to address the impact on radio amateurs, amateur groups, or publishers of Amateur Radio examination preparation materials" the League said. Noting that the FCC has not yet issued revised documents to assist Amateur Radio licensees in determining MPE compliance, the

League said that, as it now stands, hams have no way to determine the scope of their obligations under the new rules.

The League suggested the FCC vacate its new RF safety rules governing amateur stations and issue a further notice to permit comment on the proposed rules, and, in particular, the 50-W threshold. Hare said the League's proposed HF threshold of 150-W at 10 meters distance from the antenna "encompasses a much greater range of typical Amateur Radio operation without compromising safety."

Others filing petitions for reconsideration or clarification are the Personal Communications Industry Association, the Electromagnetic Energy Association, Hammett & Edison Inc (a consulting firm) and the US Department of Defense.

Upcoming Swapfest

Rocky Mountain Radio League
Sunday, Oct 20 - 8 a.m. to 2 p.m.
Jefferson County Fairgrounds,
15200 West 6th Avenue (Indiana
Exit), Golden, Colorado.

Admission - \$4.00
Sellers' tables - \$10.00 excluding
admission.
VE Testing at 11 a.m.

For more info:

Rocky Mountain Radio League
P.O. Box 3821
Littleton, CO 80161-3821

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Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership ☐ Renewal ☐
Name _____
Address _____
City _____ State _____ Zip _____
Call _____ License Class _____ Telephone _____
Email Address _____

Are you an ARRL member? Yes ☐ No ☐

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member	\$15.00 ☐	Family Membership (same address)	\$18.00 ☐
Over 65	\$12.00 ☐	Family Membership (both over 65)	\$12.00 ☐
Associate (outside El Paso or Teller Co.)	\$12.00 ☐	Newsletter only	\$12.00 ☐

Additional Names: _____ Call _____ Class _____

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you. PLEASE TYPE OR PRINT CLEARLY!